

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number  
**WO 01/19886 A1**

(51) International Patent Classification<sup>7</sup>: C08F 291/00,  
285/00, 292/00

(21) International Application Number: PCT/SE00/01776

(22) International Filing Date:  
14 September 2000 (14.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
9903387-0 17 September 1999 (17.09.1999) SE  
0000294-9 28 January 2000 (28.01.2000) SE

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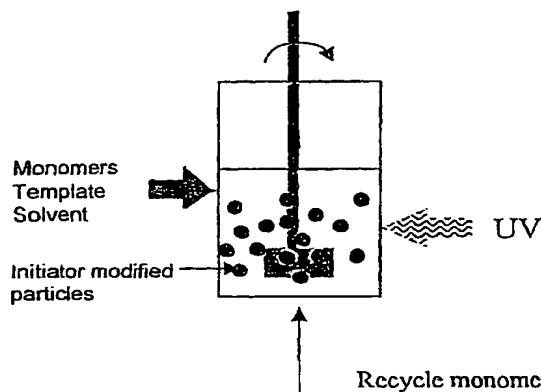
(81) Designated States (national): AE, AG, AL, AM, AT, AT  
(utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA,  
CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility  
model), DK, DK (utility model), DM, DZ, EE, EE (utility  
model), ES, FI, FI (utility model), GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility  
model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT,  
TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

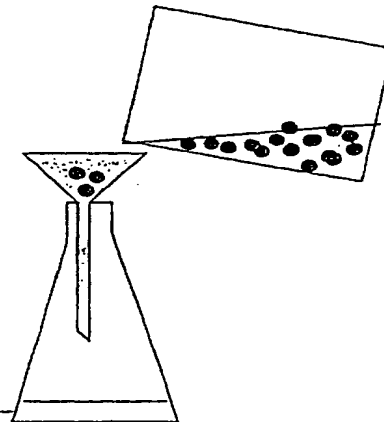
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(54) Title: NEW MOLECULARLY IMPRINTED POLYMERS GRAFTED ON SOLID SUPPORTS

### A. Graft polymerization



### B. Filter, wash, and dry the particles



(57) Abstract: The invention refers to a molecularly imprinted polymer, a method of preparing a molecularly imprinted polymer material, and the use thereof. According to the invention a support and a composition comprising at least one monomer, and a template, in a polymerisation medium is polymerised with a free radical initiator, whereafter the template is removed from the molecularly imprinted polymer obtained. The polymerisation is confined to the surface of the support, preferably by confining the free radical initiator to the support by bonding or adsorption. The molecularly imprinted polymer may be used in chromatography, for separations, in chemical sensors, in molecular recognition as stationary phase in capillaries, in selective sample enrichment or in catalysis.